

# Mineral Industry Surveys

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## ALUMINUM IN JUNE 2001

The reported domestic primary aluminum production in June was 214,510 metric tons (t). The average daily production rate was 7,150 t, 3% below that of the previous month and 28% below the rate for June 2000.

The monthly average U.S. market price of primary aluminum ingot decreased from 72.65 cents per pound in May to 69.69 cents per pound in June, according to Platts Metals Week. On June 14, American Metal Market reported that the buying price range for processed aluminum used beverage can (UBC) scrap decreased from 52 to 53 cents per pound to 48.5 to 50.5 cents per pound. The price range remained at this level through the end of June. According to Resource Recycling's Container

Recycling Report, the average monthly transaction price for aluminum UBC's decreased from 53.3 cents per pound in May to 49.2 cents per pound in June.

### Update

The monthly average U.S. market price of primary aluminum ingot decreased from 69.69 cents per pound in June to 68.06 cents per pound in July. On July 6, the American Metal Market buying price range for aluminum UBC's decreased to 46 to 47 cents per pound and remained at this level through the end of the month.

TABLE 1  
COMPONENTS OF ALUMINUM SUPPLY 1/

(Thousand metric tons)

Period	Primary production	Secondary recovery 2/			Imports for consumption			Total new supply 3/	Total stocks, end of period 4/
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2000: p/	3,668	1,980	1,430	3,400	2,490	791	3,280	10,400	1,550
2000:									
June	299	186	130	316	234	63	298	912	1,740
July	296	164	123	288	250	73	323	907	1,720
August	296	178	126	304	206	72	278	878	1,700
September	291	161	118	279	189	69	258	828	1,710
October	300	155	123	278	186	67	253	831	1,650
November	289	138	108	247	181	60	241	776	1,620
December	291	130	101	231	137	51	188	710	1,550
January-June	1,906	1,050	724	1,780	1,340	398	1,740	5,430	1,740
2001:									
January	256	159	106	264	193	62	255	776	1,600 r/
February	220	163	98	261	200	55	255	736	1,560 r/
March	232	161	103	264	237	64	301	797	1,550
April	225	149	104	253	197	62	258	737	1,620 r/
May	229	160 r/	102 r/	261 r/	209	58	267	758	1,640
June	215	155	102	258	NA	NA	NA	NA	NA
January-June	1,378	947	615	1,560	NA	NA	NA	NA	NA

p/ Preliminary. r/ Revised. NA Not available.

1/ Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

2/ Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

3/ Primary production, secondary recovery, and imports for consumption.

4/ Includes scrap; data from the Aluminum Association Inc.

TABLE 2  
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM PURCHASED NEW AND OLD ALUMINUM SCRAP 1/

(Thousand metric tons)

Period	Secondary smelters		Integrated aluminum companies		Independent mill fabricators		Foundries		Other consumers		Total	
	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery
2000: p/	2,080	1,560	1,090	954	877	804	96	85	6	6	4,150	3,400
2000:												
June	182	136	99	88	92	84	8	7	1	1	382	316
July	176	130	92	80	79	72	5	5	1	1	352	288
August	181	134	100	88	80	73	10	9	1	1	372	304
September	178	132	89	78	67	61	8	7	1	1	343	279
October	181	135	90	78	62	57	9	8	1	1	343	278
November	168	124	80	69	50	46	8	7	1	1	306	247
December	157	116	74	64	50	46	5	5	(2/)	(2/)	287	231
January-June	1,040	783	564	496	489	450	50	45	3	3	2,150	1,780
2001:												
January	171	129	76	66	66	61	9	8	(2/)	(2/)	322	264
February	169	128	74	64	66	62	7	7	(2/)	(2/)	317	261
March	175	131	77	67	63	58	8	7	1 r/	1 r/	323	264
April	163	122	79	69	59	54	9	8	(2/)	(2/)	310	253
May	177 r/	133 r/	71	61	63	58	9	8	(2/)	(2/)	321 r/	261 r/
June	169	127	72	62	65	60	10	8	(2/)	(2/)	316	258
January-June	1,020	771	449	390	383	353	51	46	3	3	1,910	1,560

p/ Preliminary. r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

TABLE 3  
CONSUMPTION OF AND RECOVERY FROM PURCHASED  
NEW AND OLD ALUMINUM SCRAP IN JUNE 2001 1/

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	141,000	169,000	106,000	127,000
Integrated aluminum companies	71,700	71,700	62,300	62,300
Independent mill fabricators	54,200	65,100	49,800	59,800
Foundries	8,030	9,630	6,930	8,320
Other consumers	330	396	330	396
Total	275,000	316,000	225,000	258,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4  
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN 2001 1/

(Metric tons)

	June			January-June 2/		
	Stocks, opening	Net receipts 3/	Melted or consumed	Stocks, closing	Net receipts 3/	Melted or consumed
New scrap:						
Solids	24,900 t/	74,100	73,600	25,300	450,000	458,000
Can stock clippings	3,560	17,900	17,900	3,560	109,000	111,000
Other clippings	7,580 t/	14,000	14,100	7,480	79,000	78,000
Borings and turnings	6,530 t/	25,800	25,500	6,840	153,000	155,000
Dross and skimmings	4,140	36,400	36,800	3,820	218,000	218,000
Total new scrap	46,700 t/	168,000	168,000	47,000	1,010,000	1,020,000
Old scrap:						
Used casting, sheet, clippings	8,950 t/	36,200	35,700	9,370	208,000	209,000
Aluminum-copper radiators	2,270 t/	2,140	1,950	2,460	12,100	11,600
Used cans (shredded, loose, baled)	38,400	60,700	58,100	41,000	367,000	355,000
Fragmentized shredder (auto shredder)	4,140 t/	9,370	10,100	3,410	62,100	64,700
Total old scrap	53,700 t/	108,000	106,000	56,200	649,000	640,000
Sweated pig	192 t/	1,110	1,110	192	6,340	6,520
Total all classes	101,000 t/	278,000	275,000	103,000	1,670,000	1,670,000

r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes revised data from previous month(s).

3/ Includes data on imported aluminum-base scrap.

TABLE 5  
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2001 1/ 2/

(Metric tons)

	June				January-June 3/	
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	5,830 r/	1,520	1,880	5,470	11,000	11,400
380 and variations	7,780 r/	32,700	32,500	7,920	209,000	208,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	4,430	10,900	10,800	4,540	65,400	65,400
No. 319 and variations	15,600 r/	11,800	11,800	15,700	70,200	70,800
F-132 alloy and variations	2,280 r/	2,250	2,260	2,270	13,800	14,100
Al-Zn alloys	1,370	59	110	1,320	1,430	978
Al-Si alloys (0.6% to 2.0% Cu)	91	168	168	91	1,010	1,010
Al-Cu alloys (1.5% Si, max.)	--	191	191	--	1,150	1,150
Other 4/	6,580	9,070	8,010	7,640	54,400	53,400
Wrought alloys:						
Extrusion billets	7,220 r/	19,300	19,100	7,460	112,000	112,000
Total all alloys	51,200	88,000	86,800	52,400	539,000	538,000
Less:						
Primary aluminum consumed	XX	5,770	XX	XX	35,500	XX
Primary silicon consumed	XX	3,470	XX	XX	22,600	XX
Other alloying ingredients consumed	XX	1,020	XX	XX	6,600	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot 5/	XX	77,700	XX	XX	474,000	XX

r/ Revised. XX Not applicable. -- Zero.

1/ Excludes integrated aluminum companies.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ Includes revised data from previous month(s).

4/ Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

5/ No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6  
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN MAY 2001 1/

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	January-		January-		January-		January-	
	May	May	May	May	May	May	May	May
Argentina	4,460	22,500	--	105	307	2,200	4,770	24,800
Australia	9,560	38,000	13	80	--	18	9,570	38,100
Bahrain	298	3,490	1,480	8,150	--	--	1,780	11,600
Belgium	--	40	274	1,610	--	--	274	1,650
Brazil	1,930	15,300	238	2,670	4,810	8,430	6,980	26,400
Canada	135,000	683,000	35,300	174,000	24,700	113,000	195,000	969,000
France	31	253	409	2,780	723	3,480	1,160	6,510
Germany	8	344	4,140	21,300	332	949	4,480	22,600
Ghana	7,300	8,150	--	--	--	2,780	7,300	10,900
Hungary	--	--	218	1,030	--	--	218	1,030
Italy	(2/)	(2/)	261	1,450	--	43	261	1,490
Japan	49	188	615	5,760	58	148	722	6,090
Korea, Republic of	(2/)	113	497	3,440	--	8	498	3,560
Mexico	286	1,980	1,660	6,430	6,720	32,600	8,660	41,000
Netherlands	53	223	100	1,020	--	383	153	1,630
Norway	19	5,210	39	79	273	283	330	5,570
Russia	22,700	148,000	3,550	16,700	3,360	15,800	29,600	180,000
South Africa	18	3,850	2,040	12,600	--	10	2,060	16,500
Spain	108	558	2	13	20	20	130	591
Sweden	12	12	153	2,140	--	--	165	2,150
Switzerland	--	458	90	923	21	224	110	1,610
Ukraine	5,520	8,380	--	--	168	431	5,690	8,810
United Arab Emirates	4,690	27,200	--	--	295	1,090	4,990	28,200
United Kingdom	3,390	3,450	1,090	5,800	477	1,700	4,960	11,000
Venezuela	12,600	60,600	1,250	8,780	266	4,470	14,100	73,800
Other	94	4,680	4,750	23,800	5,060	21,500	9,900	49,900
Total	209,000	1,040,000	58,100	300,000	47,600	209,000	314,000	1,540,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF ALUMINUM IN MAY 2001 1/

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January-May	May	January-May	May	January-May	May	January-May
Australia	1	27	143	797	--	67	144	892
Belgium	1	61	1,390	6,870	489	1,050	1,880	7,990
Brazil	--	523	3,460	15,500	--	--	3,460	16,000
Canada	8,990	42,100	38,800	205,000	19,700	86,900	67,500	334,000
China	1	13	3,420	18,300	17,200	70,000	20,600	88,300
Czech Republic	--	--	2	13	--	--	2	13
Dominican Republic	--	(2/)	45	306	--	--	45	306
France	3	61	463	2,420	--	--	466	2,480
Germany	88	450	258	1,330	526	1,630	872	3,420
Hong Kong	211	1,140	194	895	1,490	4,920	1,890	6,950
India	--	--	18	135	474	1,830	492	1,970
Israel	103	525	366	1,060	39	78	507	1,660
Italy	(2/)	18	200	879	--	43	201	940
Japan	268	5,300	854	4,350	1,540	8,620	2,670	18,300
Korea, Republic of	380	1,210	1,300	7,150	3,180	17,500	4,860	25,800
Malaysia	--	14	73	825	133	580	206	1,420
Mexico	6,530	32,800	12,900	55,200	4,390	16,100	23,800	104,000
Netherlands	--	57	380	1,220	38	106	419	1,380
Russia	--	1	57	255	--	--	57	256
Saudi Arabia	--	--	998	5,470	--	19	998	5,490
Singapore	--	25	46	654	3	10	49	689
Spain	--	1	64	290	14	14	79	306
Sweden	(2/)	3	49	99	--	--	49	102
Taiwan	2	83	189	2,390	3,420	11,800	3,610	14,200
Thailand	97	639	787	4,980	142	386	1,030	6,010
Ukraine	--	--	--	79	--	--	--	79
United Kingdom	51	434	1,290	6,330	344	755	1,690	7,510
Venezuela	--	21	729	4,680	8	37	736	4,740
Other	38	559	2,210	11,900	595	2,970	2,840	15,500
Total	16,800	86,100	70,600	360,000	53,800	225,000	141,000	671,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.